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## Document Number 22

DERWENT-ACC-NO: 1998-322305

DERWENT-WEEK: 199837

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TITLE: Method for killing an infectious agent - comprises exposing agent to compositions comprising n-alkyl carboxy-betaine, e.g. CB-18, active against Staphylococcus aureus, Salmonella typhimurium, Pseudomonas aeruginosa and Escherichia coli

INVENTOR: NASH, K A; THORNTON, C G

PATENT-ASSIGNEE: CHILDRENS HOSPITAL LOS ANGELES[CHILN], QUEST DIAGNOSTICS INCS ANGELES[QUESN]

PRIORITY-DATA: 1996US-0730733 (October 11, 1996)

### PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 9748130 A	May 11, 1998	N/A	000	A61K 031
WO 9816234 A1	April 23, 1998	E	044	A61K 031

DESIGNATED-STATES: AU BR CA JP NZ US AT BE CH DE DK ES FI FR GB GR IE IT LU MC N L PT SE

### APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
AU 9748130A	N/A	1997AU-0048130	October 10, 199
AU 9748130A	Based on	WO 9816234	N/A
WO 9816234A1	N/A	1997WO-US18256	October 10, 199

INT-CL (IPC): A61 K 31/13; A61 K 31/205; A61 K 31/685

ABSTRACTED-PUB-NO: WO 9816234A

BASIC-ABSTRACT: Method for killing an infectious agent comprises exposing the agent to amounts of compositions comprising an n-alkyl carboxybetaine sufficient to kill the agent.

USE - The method is used for antimicrobial actions against Staphylococcus, especially S. aureus or S. epidermidis, Salmonella especially S. typhimurium, Pseudomonas especially P. aeruginosa and Escherichia especially E. coli.

The method may be used to disinfect or antiseptically clean living or biological objects or matter including tissues and organs. It may be used in the processing of food products for human or animal consumption e.g. meat (especially animal carcasses), vegetables or fruit, particularly in the processing of beef, pork, mutton, poultry and seafood.

The method may be used to aseptically lavage organs intended for transplantation or to wash or soak wounds prior to dressing. The compositions may be used as mouthwashes or gargles for the oral cavity including the pharynx

and nasopharynx.

They may also be used to clean, store and disinfect contact lenses.

The compositions are administered topically to inanimate objects or living or biological objects or matter including tissues or organs or may be perfused into the biological objects or matter. They may be provided as parts of a physical structure such as a bandage or microparticle giving sustained release. The compositions may be applied to food by spraying, washing or dipping.

ADVANTAGE - The n-alkyl carboxy-betaines are efficient at eliminating both Gram-positive and -negative organisms, particularly the members of those classes that have been historically difficult to kill.

CHOSEN-DRAWING: Dwg.0/5

TITLE-TERMS:

METHOD KILL INFECT AGENT COMPRISE EXPOSE AGENT COMPOSITION COMPRISE N ALKYL  
CARBOXY BETAINES CB ACTIVE STAPHYLOCOCCUS AUREUS SALMONELLA PSEUDOMONAS  
AERUGINOSA ESCHERICHIA COLI

DERWENT-CLASS: B05

CPI-CODES: B10-A22; B14-A01;

CHEMICAL-CODES:

Chemical Indexing M2 \*01\*

Fragmentation Code

G011 G012 G013 G100 H181 H401 H402 H481 H482 J0  
J011 J014 J1 J131 J171 J373 K0 K850 L640 L699  
L7 L722 M210 M211 M212 M213 M220 M224 M225 M226  
M231 M232 M233 M262 M272 M273 M280 M281 M282 M283  
M311 M312 M313 M314 M315 M316 M321 M322 M331 M332  
M333 M340 M342 M343 M349 M373 M381 M383 M391 M414  
M416 M510 M520 M530 M531 M540 M620 M710 M903 M904  
P220 P912 P923 P942 Q224 Q261 R033 R041 R052

Markush Compounds

199828-38601-N

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1998-099078

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(gargle or rinse) same pharynx ▲▼

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ALL	(gargle or rinse) same pharynx same (analy\$ or retriev\$ or sample)	0	<u>L2</u>
ALL	(gargle or rinse) same pharynx	27	<u>L1</u>